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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/669,385	09/24/2003	Margaret Browning	L3-007	3935

7590

06/19/2006

Mr. Frank Doran  
L3 Communications Aviation Recorders  
6000 Fruitville Road  
Sarasota, FL 34232

EXAMINER
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NGO, HUNG V

ART UNIT	PAPER NUMBER
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2831

DATE MAILED: 06/19/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/669,385

Applicant(s)

BROWNING ET AL.

Examiner

Hung V. Ngo

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 27 December 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-18, 20-26 and 28-34 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 20-26 and 28-34 is/are allowed.
- 6) ☒ Claim(s) 1-7 and 10-13 is/are rejected.
- 7) ☒ Claim(s) 8, 9 and 14-18 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) .  
Paper No(s)/Mail Date 12-29-05.
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date: \_\_\_\_\_
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: \_\_\_\_\_

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-7, 10-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Purdom (US 5,750,925) in view of Wright (6,167,238).

Purdom discloses a removable memory sub-system(102, 109), and a mounting base subsystem (101) removably coupled to said memory subsystem,

Re claims 5, 6, 12, 13, wherein, said mounting base subsystem includes a first watertight cable connector (113) for coupling with a power supply and a second cable connector for coupling with an ETHERNET network.

the teaching as discussed above does not teach the mounting base subsystem protects and includes therein electronic circuits, including a plurality of circuit components mounted entirely within said mounting base for electronically accessing said memory subsystem (re claim 1, 2, 10, 11), said electronic circuits provide an ETHERNET access port for coupling said hardened voyage recorder to an ETHERNET network (re claim 2), wherein: said electronic circuits include firmware which provides TCP/IP access over ETHERNET to said circuits (re claim 3), wherein: said firmware includes web pages for configuring said hardened voyage data recorder (re claim 4),

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said electronic circuits accept both 110/220 VAC and 24 VDC power supplies (re claim 7).

Regarding claims 1, 2, 10, 11 Wright teaches an electronic circuit, components, non volatile memory, a voyage data recorder which is connected to an ETHERNET network (col. 26, lines 7-36). It would have been obvious to one having ordinary skill in the art at the time the invention was made to connect the electronic circuits to an ETHERNET network as taught by Wright in order to allow computer communications across internet networking (col. 26, lines 11 and 12).

Regarding claim 3, Wright teaches firmware which provides TCP/IP access over ETHERNET to said circuits (col. 26, lines 11-12). it would have been obvious to one having ordinary skill in the art at the time the invention was made to adopt the teaching of Wright with the structure of Purdom for accessing over the internet.

Regarding claim 4, Wright teaches including web pages for configuring said hardened voyage data recorder (col. 26, lines 37-50). ). it would have been obvious to one having ordinary skill in the art at the time the invention was made to adopt the teaching of Wright with the structure of Purdom for configuring the data recorder.

Regarding claim 7, it would have been obvious to one having ordinary skill in the art at the time the invention was made for said electronic circuits to accept both 110/220 VAC and 24 VDC power supplies since these are both well known standards for power input.

***Allowable Subject Matter***

Claims 20-26, 28-34 are allowed

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Claims 8, 9, 14-18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hung V. Ngo whose telephone number is (571) 272-1979. The examiner can normally be reached on Monday to Thursday 8:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean A. Reichard can be reached on (571) 272-2800 EXT 31. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

HVN  
06-12-06

*Hung V Ngo*

**HUNG V. NGO  
PRIMARY EXAMINER**